

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-20 (canceled)

21. (currently amended) A method of administering a multivalent composition, comprising:

a) providing:

i) a subject having a B-cell lymphoma; and

ii) a multivalent composition comprising at least two recombinant

heavy chain variable regions of immunoglobulin molecules derived from said subject's B-cell lymphoma cells, wherein said at least two recombinant heavy chain variable regions differ by at least one idiotope; ~~and~~

wherein said providing of said multivalent composition comprising at least two recombinant heavy chain variable regions comprises:

i) providing:

A.) malignant B cells isolated from said subject having a B-cell lymphoma;

B) at least one expression vector;

D) a parent cell line;

ii) isolating nucleic acid from said malignant cells, said nucleic acid comprising nucleotide sequences encoding at least two heavy chain variable regions, wherein said at least two heavy chain variable regions differ by at least one idiotope, and wherein said heavy chain variable regions are derived from immunoglobulin molecules expressed by said malignant cells;

ii) inserting said nucleic acid comprising nucleotide sequences encoding said heavy chain variable regions into said at least one expression vector;

iii) introducing said at least one expression vector containing said nucleic acid comprising nucleotide sequences encoding said heavy chain variable regions into said parent cell line to generate one or more transformed cells;

iv) identifying a transformed cell expressing at least two recombinant heavy chain variable regions, wherein said at least two recombinant heavy chain variable regions differ by at least one idiotope, and wherein said recombinant heavy chain variable regions comprise a protein molecule,

vi) purifying said expressed recombinant heavy chain variable regions to form a multivalent composition; and

b) administering said multivalent composition to said subject to invoke an immune response .

22.(previously presented) The method of Claim 21, wherein said composition comprises at least two recombinant immunoglobulin molecules comprising said recombinant heavy chain variable regions derived from said lymphoma cells.

23.(previously presented) The method of Claim 21, wherein said composition further comprises an adjuvant.

24.(previously presented) The method of Claim 23, wherein said adjuvant is SAF-1.

25.(previously presented) The method of Claim 21, wherein at least one of said at least two recombinant heavy chain variable regions is conjugated to a carrier protein.

26.(previously presented) The method of Claim 25, wherein said carrier protein is KLH.

27-32 (canceled)